Name: Date:

Check if Relation is a Function (12 pts classwork, version 16)

1. A relation is expressed as a list of (x, y) ordered pairs.

$$(8,9) \quad (4,3) \quad (4,5) \quad (1,8) \quad (3,8) \quad (8,4) \quad (6,5)$$

- Is y a function of x? Why or why not?

no

- Is x a function of y? Why or why not?

no

- One-to-one function? Why or why not?

no

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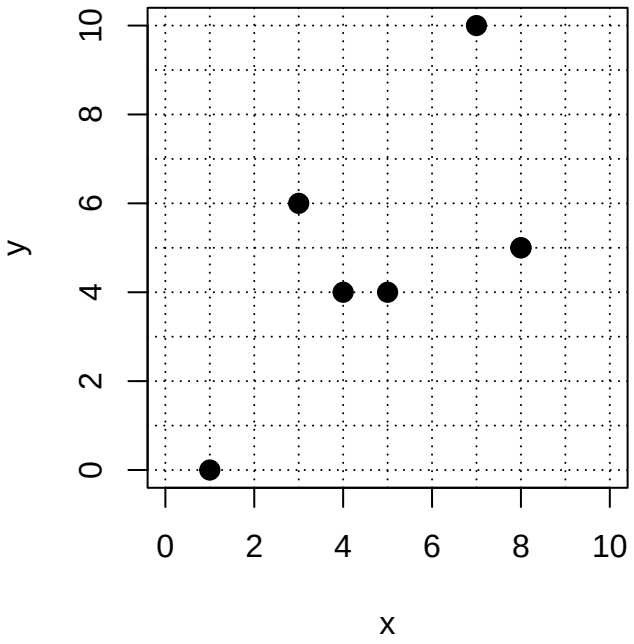
2. A relation is shown as points on a graph.



- Is y a function of x? Why or why not?

yes

- Is x a function of y? Why or why not?

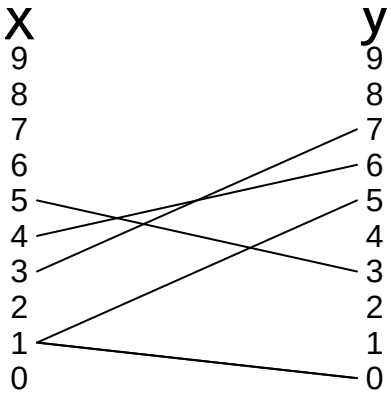
no

- One-to-one function? Why or why not?

no

Check if Relation is a Function (version 16)

3. A relation is shown with segments connecting elements of two sets.



- Is y a function of x? Why or why not?

no

- Is x a function of y? Why or why not?

yes

- One-to-one function? Why or why not?

no

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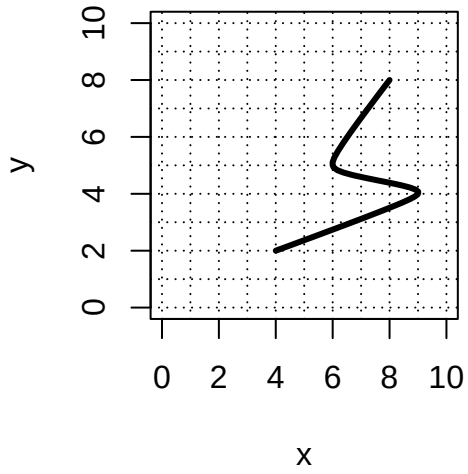
4. A relation is shown as a curve plotted on an x, y



- Is y a function of x? Why or why not?

no

- Is x a function of y? Why or why not?

yes

- One-to-one function? Why or why not?

no